

REQUEST

International Ap	plication No.
International Fil	ing Date

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Offi	ice and "PCT Inter	rnational Application"	
	Applicant's or agent's (if desired) (12 characte	file reference ers maximum) HN	N/13422.110	
BOX NO. I TITLE OF INVENTION ENCAPSULATED CATHODE HANGER BAR AND METHOD OF MANUFACTURING				
Box No. II APPLICANT This person	n is also inventor			
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	Telephone No. (705) 693-2	2761		
FALCONBRIDGE LIMITED		Facsimile No.	2424	
Met Tech Centre		(705) 699-3	3431	
P.O. Box 40		Teleprinter No.		
Sudbury, Ontario P0M 1S0		Applicant's regis	stration No. with the Office	
_CANADA				
State (that is, country) of nationality:	State (that is, country) CA	of residence:		
This person is applicant all designated all designate	d States except	the United States of America only	the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) ROBINSON, Victor 195 Laneige Avenue Port Sydney, Ontario CANADA		inventor is marke	nt only It and inventor Tonly (If this check-box d, do not fill in below.) Itration No. with the Office	
State (that is, country) of nationality:	State (that is, country) CA	of residence:		
This person is applicant for the purposes of: all designated the United States all designated the United States		the United States of America only	the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated of	n a continuation sheet.			
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE				
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities		agent	common representative	
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of co	ty, full official designation. puntry.)	Telephone No. (514) 397-7	7604	
Dubuc, J.; Leclerc, A.; Gauvreau J.		Facsimile No.		
GOUDREAU GAGE DUBUC		(514) 397-4	1382	
Stock Exchange Tower		Teleprinter No.		
800 Place Victoria, Suite 3400 P.O. Box 242				
Montreal, Quebec, H4Z 1E9, CANADA Agent's registration No. with the Office			ion No. with the Office	
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.				

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Sheet	NI.	

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)			
If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence DETULLEO, James Joseph 400 Finn Road, Barbers Bay P.O. Box 254 Porcupine, Ontario PON 1C0 CANADA State (that is, country) of nationality: CA	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office		
This person is applicant all designated all designated		the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) IVERSON, Gordon S. 1181 Middlegate Road Oakville, Ontario L6M 1M5 CANADA This person is: applicant only inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office.			
State (that is, country) of nationality: CA State (that is, country) of residence: CA			
This person is applicant for the purposes of: all designated States all designated the United States	States except tes of America	the United States of America only the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) BEALES, lan J. 1229 Marlborough Court, Apt. 709 Oakville, Ontario L6H 3B6 CANADA This person is: applicant only inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Official designation. Applicant only Applicant only Applicant's registration No. with the Official designation. Applicant only			
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant for the purposes of: all designated States all designated the United States		the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant all designated States except the United States indicated in the purposes of: This person is applicant all designated States except the United States of America only the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated on another continuation sheet.			

Box	No	v	DESI	CNA	TIA
DUX	INU.	v	DESI	USINA	

FSTATES

Mark the applicable check-boxes below; ar least one must be marked.

The following designations are hereby made under Rule 4.9(a):

Regional Patent

- EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- EP European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- A OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

AE United Arab Emirates ...
GM Gambia
NZ New Zealand ...
AG Antigua and Barbuda
HR Croatia ...
OM Oman
AL Albania ...
HU Hungary ...
PH Philippines ...
AM Armenia ...
ID Indonesia
PL Poland ...

AT Austria
IL Israel

AU Australia
IN India

AZ Azerbaijan
IS Iceland

BA Bosnia and Herzegovina
IN Japan

AT Austria
IN Protugal

IN RO Romania

RU Russian Federation

BB Barbados
KE Kenya
SC Seychelles

BG Bulgaria
KG Kyrgyzstan
SD Sudan

BR Brazil
KP Democratic People's Republic of Korea
SE Sweden

BY Belarus
of Korea
SG Singapore

BZ Belize
KR Republic of Korea
SK Slovakia

KCA Canada
KZ Kazakhstan
KS SL Sierra Leone

☑ CR Costa Rica
☑ LS Lesotho

☑ CU Cuba
☑ LT Lithuania

☑ CZ Czech Republic
☑ LU Luxembourg

☑ DE Germany
☑ LV Latvia

TR Turkey

Trinidad and Tobago

TT United Republic of Tanzania

☑ DK Denmark
☑ MA Morocco

☑ DM Dominica
☑ MD Republic of Moldova
☑ UG Uganda

☑ DZ Algeria
☑ US United States of America

★ EC Ecuador
★ MG Madagascar

★ EE Estonia
★ MK The former Yugoslav Republic of Macedonia
★ UZ Uzbekistan

★ VC Saint Vincent and the Grenadines

M FI Finland
MN Mongolia
VN Viet Nam

GB United Kingdom
MWMalawi
YU Yugoslavia

GD Grenada
MX Mexico
ZA South Africa

GE Georgia
MZ Mozambique
ZM Zambia

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Sheet	No	4
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Box No. VI PRIORITY M				
The priority of the following earlier application(s) is hereby claimed:				
Filing date	Number	V	Where earlier application	is:
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (18 June 2002 (18/06/2002)	60/389,452	us		
item (2)				
item (3)				
item (4)				
item (5)				
Further priority claims	s are indicated in the Supplement	ental Box.		
	uested to prepare and transmit s filed with the Office which for			
all items item	n (1)	item (3) item	(4) item (5)	other, see Supplemental Box
* Where the earlier applicate Industrial Property or one M	tion is an ARIPO application, i Member of the World Trade Oi	indicate at least one country Irganization for which that e	v party to the Paris Conve earlier application was fil	ention for the Protection of led (Rule 4.10(b)(ii)):
Box No. VII INTERNA	TIONAL SEARCHING AU	THORITY		
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):				
ISA / EPO				
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):				
Date (day/month/year) Number Country (or regional Office)				
Box No. VIII DECLARA	TIONS			
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number of declarations: Number of declarations:				
Box No. VIII (i)	Declaration as to the identi	ty of the inventor		:
Box No. VIII (ii)	Declaration as to the appli date, to apply for and be g		e international filing	:
Box No. VIII (iii)	Declaration as to the appl date, to claim the priority	licant's entitlement, as at the of the earlier application	he international filing	: 0 }
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):			:	
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :				

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Sheet	NIA	J

Box No. IX CHECK LIST NGUAGE OF FILING				
This international application contains: (a) in paper form, the following number of	This international application is accompanied by the followin item(s) (mark the applicable check-boxes below and indicate in	g Number of items		
sheets:	right column the number of each item):	. 4		
request (including declaration sheets) : 5	 fee calculation sheet original separate power of attorney 	: 1		
description (excluding	3. original general power of attorney			
sequence listings and/or tables related thereto) : 9	4. copy of general power of attorney; reference number	•		
claims : 2	if any:	, 		
abstract : 1	5. statement explaining lack of signature	:		
drawings : 2	6. priority document(s) identified in Box No. VI as			
Sub-total number of sheets : 19 sequence listings :	item(s): 7. translation of international application into (language):			
tables related thereto : (for both, actual number of	separate indications concerning deposited microorgal or other biological material			
sheets if filed in paper form, whether or not also filed in	9. sequence listings in computer readable form (indicate type and number of carriers)	•		
computer readable form; see (c) below)	(i) copy submitted for the purposes of international se Rule 13ter only (and not as part of the international	earch under		
Total number of sheets : 19	(ii) (only where check-box (b)(i) or (c)(i) is marked in lef additional copies including, where applicable, the purposes of international search under Rule 13ter	(column)		
(b) only in computer readable form (Section 801(a)(i)) (i) sequence listings	(iii) dogether with relevant statement as to the identity	of the copy or		
(ii) tables related thereto	copies with the sequence listings mentioned in left 10. tables in computer readable form related to sequence l	column :		
(c) also in computer readable form (Section 801(a)(ii))	 (indicate type and number of carriers) (i) □ copy submitted for the purposes of international set 			
(i) ☐ sequence listings (ii) ☐ tables related thereto	Section 802(b-quater) only (and not as part of the application)	international :		
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	 (ii) (only where check-box (b)(ii) or (c)(ii) is marked in lead it in lead	eft column) copy for the l(b-quater) :		
sequence listings:	(iii) together with relevant statement as to the identity of copies with the tables mentioned in left column			
(additional copies to be indicated under 11. other (specify):				
items 9(ii) and/or 10(ii), in right column)				
Figure of the drawings which should accompany the abstract: 1 Language of filing of the international application: ENGLISH				
	T, AGENT OR COMMON REPRESENTATIVE ning and the capacity in which the person signs (if such capacity in which the person signs)	s from reading the request).		
GOUDREAU GAGE DUBUC				
BYALAIN M. LECLERC				
ALAIN W. LLOLLING				
For analysis of Office was only				
1. Date of actual receipt of the purported 2. Drawings:				
international application:				
3. Corrected date of actual receipt due to later but timely received papers or drawings completing				
the purported international application:				
4. Date of timely receipt of the required corrections under PCT Article 11(2):				
5. International Searching Authority (if two or more are competent): ISA / 6. Transmittal of search copy delayed until search fee is paid				
For International Bureau use only				
Date of receipt of the record copy by the International Bureau:				

FEE CALCULATION SHEET

International Application No.

Annex to the Request		
Applicant's or agent's file reference HM/13422.110	Date stamp of the receiving Office	
Applicant		
FALCONBRIDGE LIMITED et al		
CALCULATION OF PRESCRIBED FEES		
1. TRANSMITTAL FEE	200.00 T	
2. SEARCH FEE	1552.00 S	
International search to be carried out by EPO		
(If two or more International Searching Authorities are competent to carry o search, indicate the name of the Authority which is chosen to carry out the in	ut the international nternational search)	
3. INTERNATIONAL FEE		
Basic Fee	 	
Where items (b) and/or (c) of Box No. IX apply, enter Sub-total nu Where items (b) and (c) of Box No. IX do not apply, enter Total nu	mber of sheets }	
bl first 30 sheets	730.00 b1	
	[b2]	
in excess of 30 b3 additional component (only if sequence listings and/or tables	related	
[b3] additional component (only if sequence listings and/or tables thereto are filed in computer readable form under Section 801 or both in that form and on paper, under Section 801(a)(ii)):	(a)(i),	
	[b3]	
$400 x \underline{\qquad} = \underline{\qquad}$ fee per sheet		
Add amounts entered at b1, b2 and b3 and enter total at B	730.00 B	
Designation Fees The international application contains ALL designations.		
5 x 157.00 =	785.00 回	
number of designation fees amount of designation fee		
payable (maximum 5)	1515.00 [丁]	
Add amounts entered at B and D and enter total at I		
(Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.)		
4. FEE FOR PRIORITY DOCUMENT (if applicable)	P P	
	3267.00	
5. TOTAL FEES PAYABLE	TOTAL	
Add amounts entered at T, S, I and P, and enter total in the TOTAL	DOX	
The designation fees are not paid at this time.		
MODE OF PAYMENT	<u> </u>	
authorization to charge postal money order postal money order	cash coupons	
cheque bank draft	revenue stamps other (specify):	
AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACC (This mode of payment may not be available at all receiving Offices)	OUNT Receiving Office: RO/CA	
	Deposit Account No.: 60000102	
Authorization to charge the total fees indicated above.	Date: JUNE 17, 2003	
(This check-box may be marked only if the conditions for deposit account of the receiving Office so permit) Authorization to charge any deficient	745	
or credit any overpayment in the total fees indicated above.		
Authorization to charge the fee for priority document.	Signature:	
Form PCT/RO/101 (Annex) (January 2003)	See Notes to the fee calculation sheet	